

**A Cultural Resource Assessment for the
Jeremy Ranch Frontage Road Intersections,
Summit County, Utah**

Draft

UDOT Project No. F-R299(206); PIN 13882

Prepared for

Summit County

Prepared by

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**Utah Antiquities Project No. U17HY0839ps
PLPCO Permit No. 47**

Certus Project Number SC01

September 5, 2017

PROJECT ABSTRACT SHEET

Report Title: *A Cultural Resource Assessment for the Jeremy Ranch Frontage Road Intersections, Summit County, Utah*

UDOT Project #/PIN: F-R299(206) / PIN 13882

Utah State Project #: U17HY0839ps

Project Description: Summit County, in coordination with the Utah Department of Transportation (UDOT), is proposing construction of a pair of roundabouts and improvements to the Jeremy Ranch intersection with Interstate 80 (I-80). The project will include park-and-ride improvements and changes to the interstate on- and off-ramps. The project will require ground disturbance up to several feet deep and possible acquisition of right-of-way or easements. The project would be accomplished using federal funds through the UDOT Local Government Program, thereby invoking the National Historic Preservation Act and its implementing regulations at 36 CFR 800 for the consideration of historic properties in project planning and implementation.

Survey Area: The survey area is an irregularly shaped polygon surrounding the Interstate 80 interchange at Jeremy Ranch and encompassing portions of the on- and off-ramps and frontage roads. This survey area boundary encompasses all currently anticipated areas of ground and right-of-way or easement acquisition. The actual area of potential effects (APE) is expected to be smaller than the survey area, which encompasses approximately 27.7 acres, most of which is currently occupied by roadway pavement.

Agencies: Summit County; Utah Department of Transportation (UDOT)

Location: Jeremy Ranch vicinity, Summit Counties, Utah; T. 1 S, R. 3 E, Sec. 11

Land Ownership: Private; Municipal; State (UDOT)

Date(s) of Fieldwork: September 5, 2017

Methods: Intensive-level and reconnaissance-level archaeological survey; no historical buildings or structures are present

Acres Surveyed: 27.7 acres

Total Cultural Resources in the Survey Area: None

NRHP Eligible Resources: None

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INTRODUCTION

Summit County (the County), in coordination with the Utah Department of Transportation (UDOT), is proposing construction of a pair of roundabouts and improvements to the Jeremy Ranch intersection with Interstate 80 (I-80) (see **Figure 1**). The project will include park-and-ride improvements and changes to the interstate on- and off-ramps. The project will require ground disturbance up to several feet deep and possible acquisition of right-of-way or easements. The project would be accomplished using federal funds through the UDOT Local Government Program, thereby invoking the National Historic Preservation Act and its implementing regulations at 36 CFR 800 for the consideration of historic properties in project planning and implementation.

The County contracted with Certus Environmental Solutions, LLC (Certus) to conduct an assessment of cultural resources in the area of potential effects. Sheri Murray Ellis, Principal Investigator for Certus under State of Utah Principal Investigator Permit No. 47, conducted fieldwork September 4, 2017. All work was conducted under Utah State Antiquities Project Number U17HY0839ps. Certus conducted an archaeological assessment of the area. No historical structures are present in the survey area.

THE AREA OF POTENTIAL EFFECTS AND SURVEY AREA

The survey area is an irregularly shaped polygon surrounding the Interstate 80 interchange at Jeremy Ranch and encompassing portions of the on- and off-ramps and frontage roads (see **Figures 2 and 3**). This survey area boundary encompasses all currently anticipated areas of ground and right-of-way or easement acquisition. The actual area of potential effects (APE) is expected to be smaller than the survey area, which encompasses approximately 27.7 acres, most of which is currently occupied by roadway pavement.

The survey area is located in Township 1 South, Range 3 East, Section 11 of the Salt Lake Base and Meridian. This area is found on USGS 7.5 minute Utah topographic map Big Dutch Hollow (see **Figure 2**). Lands and rights-of-way in the survey area are owned by UDOT, the local municipality, and private parties.

PROJECT SETTING

The project area is located in the Wasatch Mountains east of Salt Lake City and north of Park City. More specifically, it centers around the existing interchange on Interstate 80 at Jeremy Ranch. This area encompasses lands that have been altered by recountouring with heavy equipment to construct the interstate, interchange, frontage roads, drainage facilities, park-and-ride lots, and commercial properties.

The overall life zone for the project area is generally considered mixed conifer forest, though vegetation in the survey area almost entirely comprises tall grasses. A narrow corridor of riparian vegetation is present along a drainage passing through the northern part of the survey area.

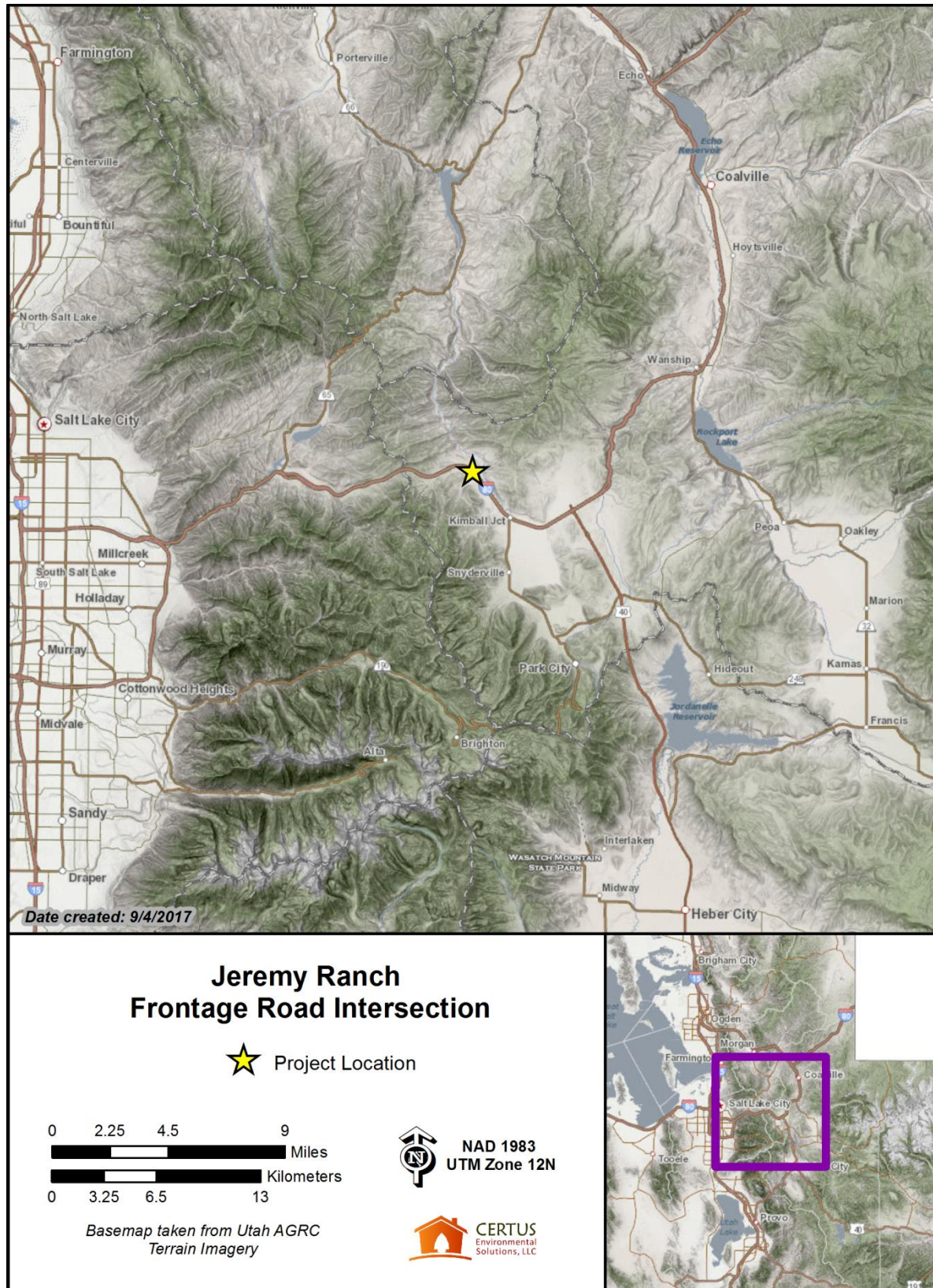


Figure 1. General project location

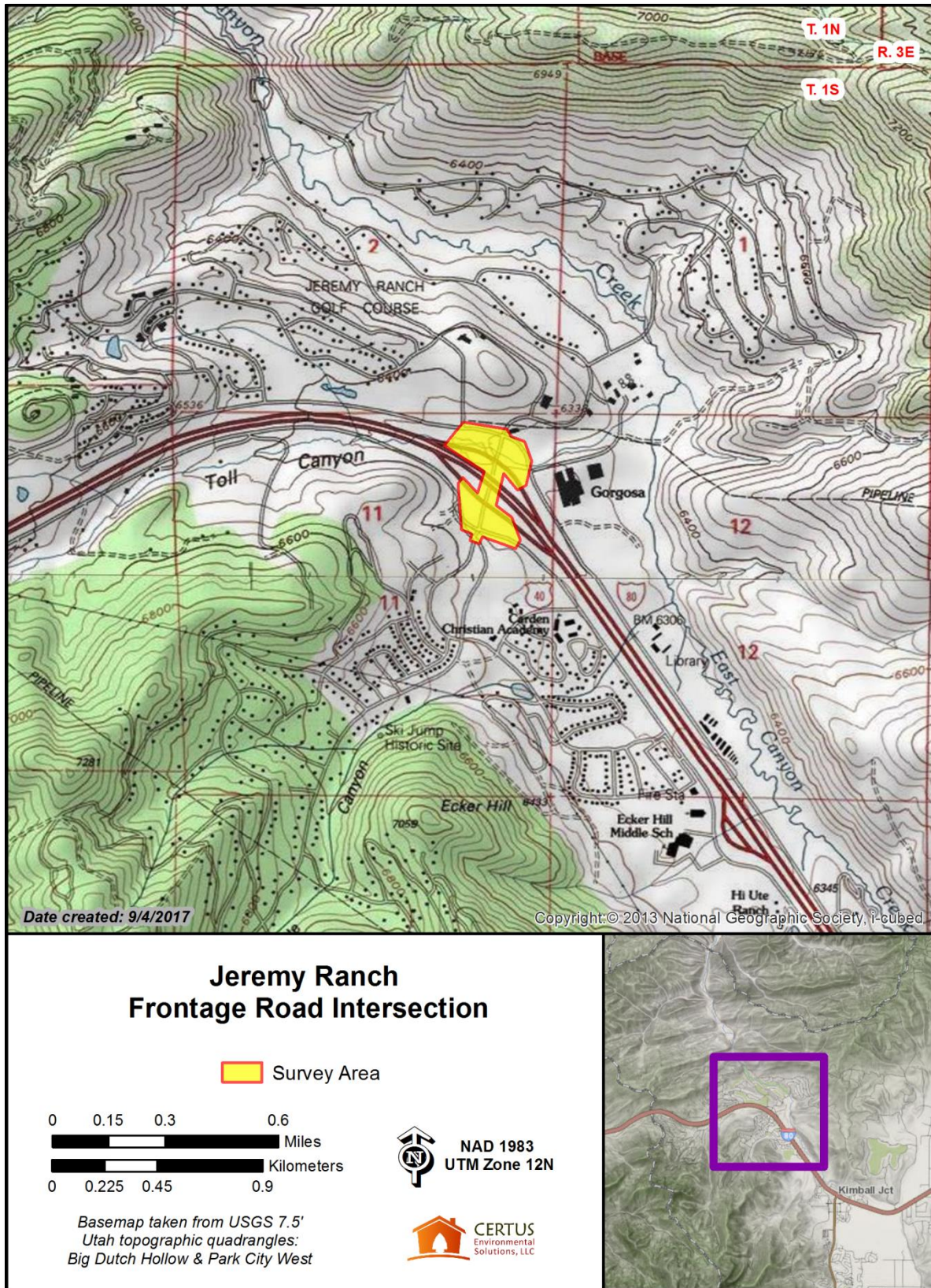


Figure 2. Location of Survey Area; topographic map

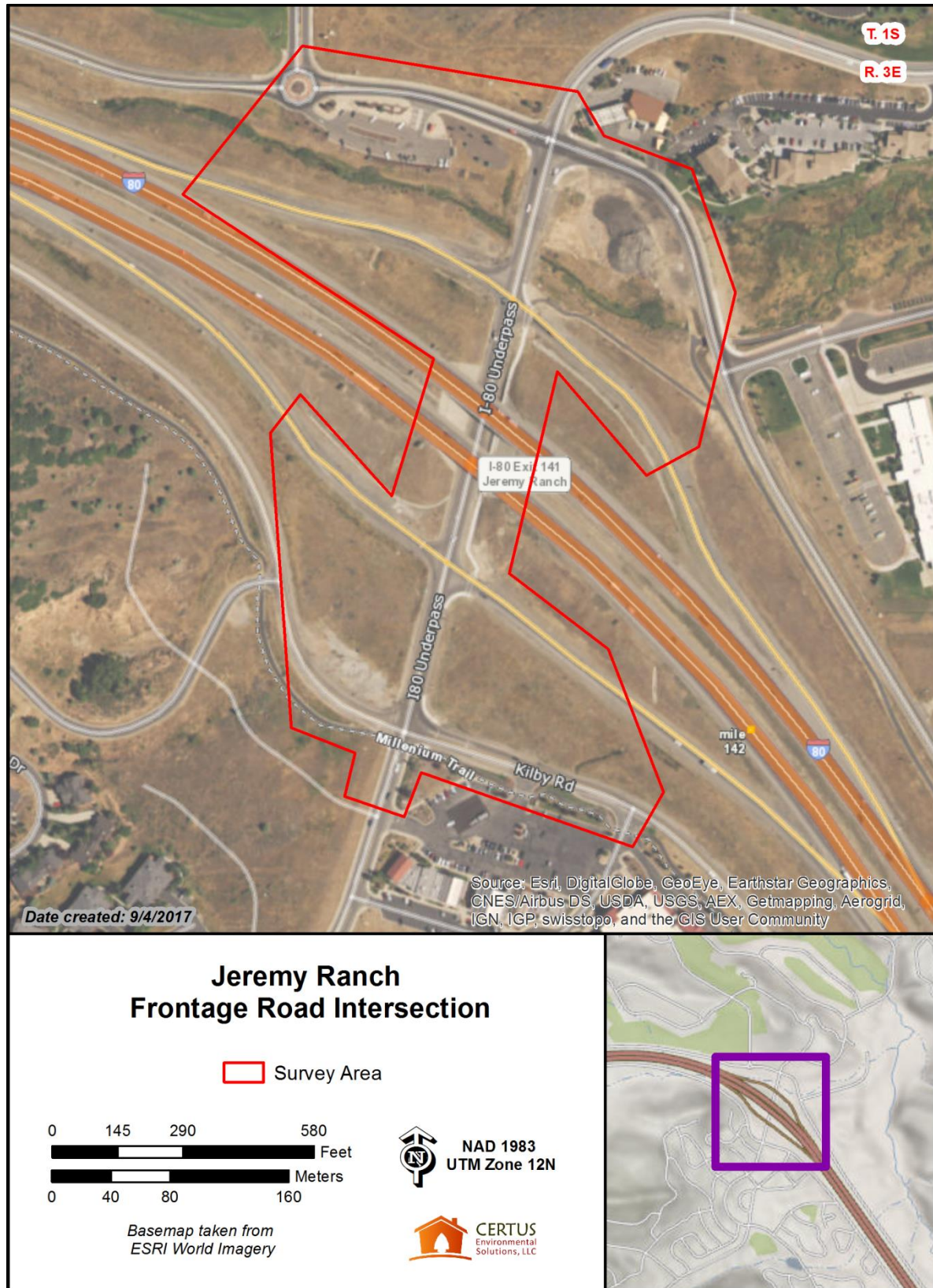


Figure 3. Location of Area; aerial map

Terrain is undulating but generally slopes toward the center of the survey area. Elevation ranges from approximately 6354 feet above sea level at the north edge of the survey area to 6384 feet above sea level at the south edge and 6335 feet above sea level at center. The Natural Resources Conservation Service (NRCS) classifies surface and near-surface soils as Manila-Ant Flat loams—a soil type that represents fan remnants.

Representative photographs of the area are provided in **Figures 4 and 5**, below.



Figure 4. Overview of survey area; view to the east



Figure 5. Overview of survey area; view to the south

PREVIOUS RESOURCE SURVEYS AND KNOWN CULTURAL RESOURCES

Certus conducted a search of Utah Division of State History (UDSH) online records on September 3, 2017, for an area extending 1/2-mile in all directions from the boundaries of the survey area. Six (7) previous Section 106 inventories have in the current survey area. All previously reported surveys are listed below in **Table 1**. The locations of the previous projects are depicted on **Figure 6 in Appendix A**. All previously surveyed portions of the current project area were re-surveyed for the current assessment.

Table 1. Summary of Previous Section 106 inventories near the current survey area

Project #	Description / Survey Organization	Sites in the current APE
87CN0615	AT&T Fiber Optic Cable, Cheyenne–Sacramento / Centennial Archaeology	None
95BS0139	I-80 Lamb’s Canyon to Kimball Junction / Baseline Data	None
98NR0540	Enron Wasatch Fiber / Northwest Archaeological Assoc.	None
07ST1132	East Canyon Creek / SWCA Environmental Consultants	None
11ST0574	Three Trails at Kimball Junction / SWCA Environmental Consultants	None
U16HY0795	I-80 Westbound Climbing Lane/ Certus	None
U17HY0720	I-80 Westbound Climbing Lane Addendum / Certus	None

A single cultural resource site has been previously reported for the file search area. This resource is a historical cabin that was located at 7900 Pinebrook Road in Snyderville, west of the current survey area. This cabin appears to have been demolished since the time of its documentation in 1999. No archaeological sites have been reported for the file search area.

Paleontological Resources Review

In accordance with UDOT guidelines, Certus consulted with the Utah Geological Survey (UGS) regarding the presence/absence of and potential for encountering fossil resources within the APE. This consultation was undertaken via written letter to Ms. Martha Hayden of the UGS. Ms. Hayden indicated that no known paleontological localities have been recorded in the survey area or its immediate vicinity. She also noted that the Quaternary and Recent deposits in the project area have little potential for yielding significant fossil localities. A copy of Ms. Hayden's consultation letter is included in **Appendix B** of this document.

INVENTORY METHODS

Certus applied a combination of intensive-level survey methods to identify archaeological resources; no historical structures are present in the survey area. In all, approximately 27.7 acres were surveyed. Navigation within the survey area was accomplished through visual landmarks and a GPS unit capable of sub-meter accuracy.

The intensive-level survey methods employed by Certus are consistent with those outlined in the UDOT cultural resource inventory guidelines (UDOT 2010, as updated), including transect spacing no greater than 15 meters (50 feet). In accordance with UDOT guidelines, and to accommodate a time lag between the compilation of the survey data and any future construction associated with the undertaking, Certus employed a cutoff age of 45-years-old to designate archaeological resources as historical. Given the timing of the survey reported herein, this meant that a resource had to be created during or before 1972 to be considered historical.

FINDINGS

No cultural resources were identified in the survey area.

SUMMARY AND CONCLUSIONS

Certus conducted a cultural resources assessment for the Jeremy Ranch Frontage Road Intersections Project. The assessment included only an intensive-level field inspection for archaeological resources, as no historical structures are present in the assessment area. Certus did not identify any cultural resources in the survey area.

REFERENCES CITED

Utah Department of Transportation (UDOT). 2010. *UDOT Guidelines for Identifying, Recording, and Evaluating Archaeological and Paleontological Resources*. Utah Department of Transportation, Environmental Services, Salt Lake City.

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**APPENDIX A:
FILE SEARCH RESULTS FIGURES**

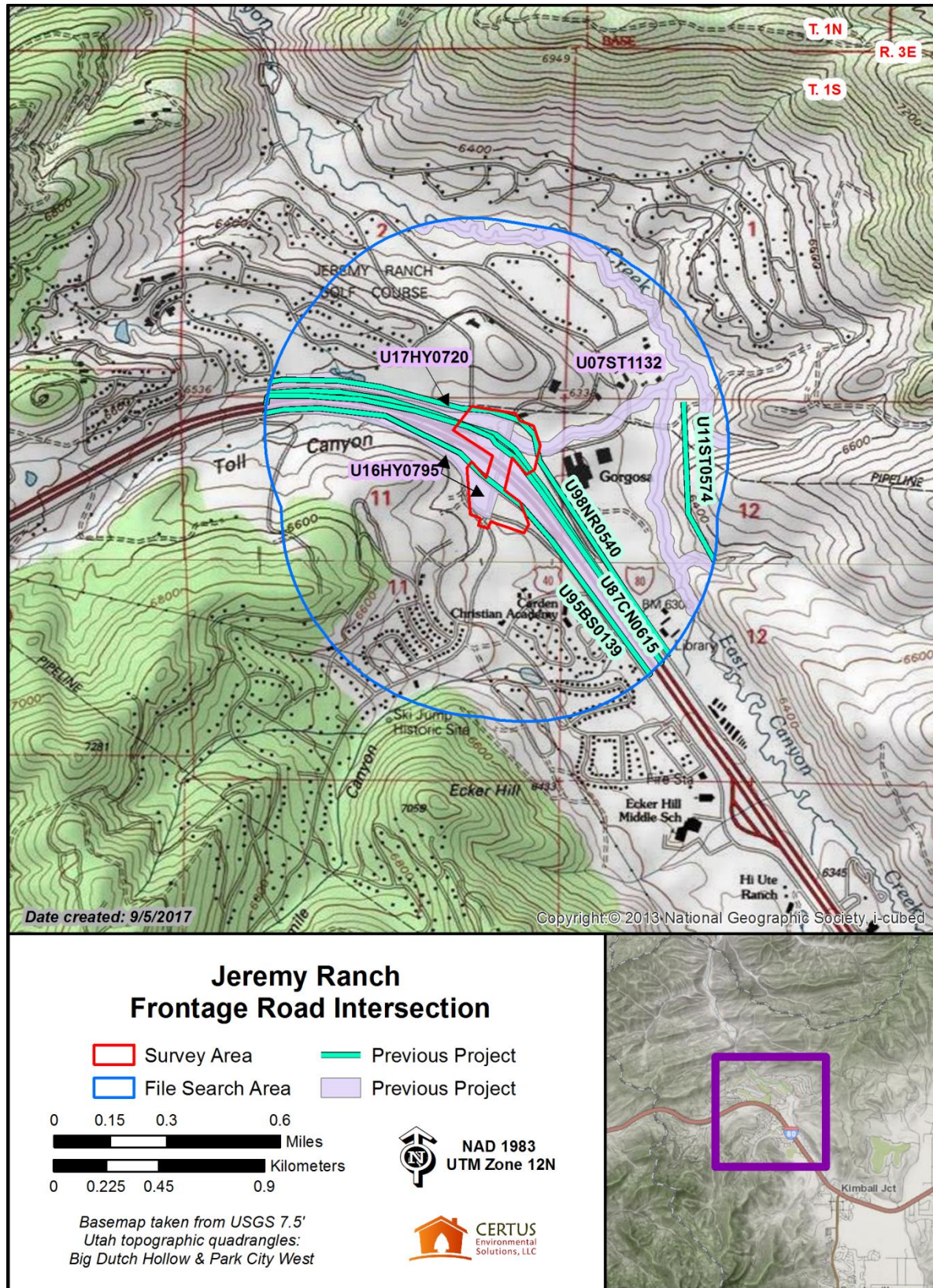
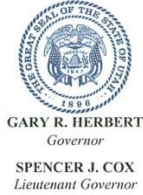


Figure 6. File search results

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**APPENDIX B:
UGS PALEONTOLOGICAL CONSULTATION LETTER**



State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Utah Geological Survey

RICHARD G. ALLIS
State Geologist/Division Director

September 5, 2017

Sheri Murray Ellis
CERTUS Environmental Solutions, LLC
655 7th Avenue
Salt Lake City UT 84103

RE: Paleontological File Search and Recommendations for UDOT Project F-R299(206); PIN 13882: Jeremy Ranch Frontage Road Intersections, Summit County, Utah
U.C.A. 79-3-508 (Paleontological) Compliance; Request for Confirmation of Literature Search according to the UDOT/UGS Memorandum of Understanding.

Dear Sheri:

I have conducted a paleontological file search for the Jeremy Ranch Frontage Road Intersections Project in response to your letter of September 5, 2017. This project qualifies for treatment under the UDOT/UGS executed Memorandum of Understanding.

There are no paleontological localities recorded in our files within this project area. Quaternary and Recent sedimentary deposits that are exposed here have a low potential for yielding significant fossil localities (PFYC 2). Unless fossils are discovered as a result of construction activities, this project should have no impact on paleontological resources.

If you have any questions, please call me at (801) 537-3311.

Sincerely,

A handwritten signature in blue ink that reads "Martha Hayden".

Martha Hayden
Paleontological Assistant

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